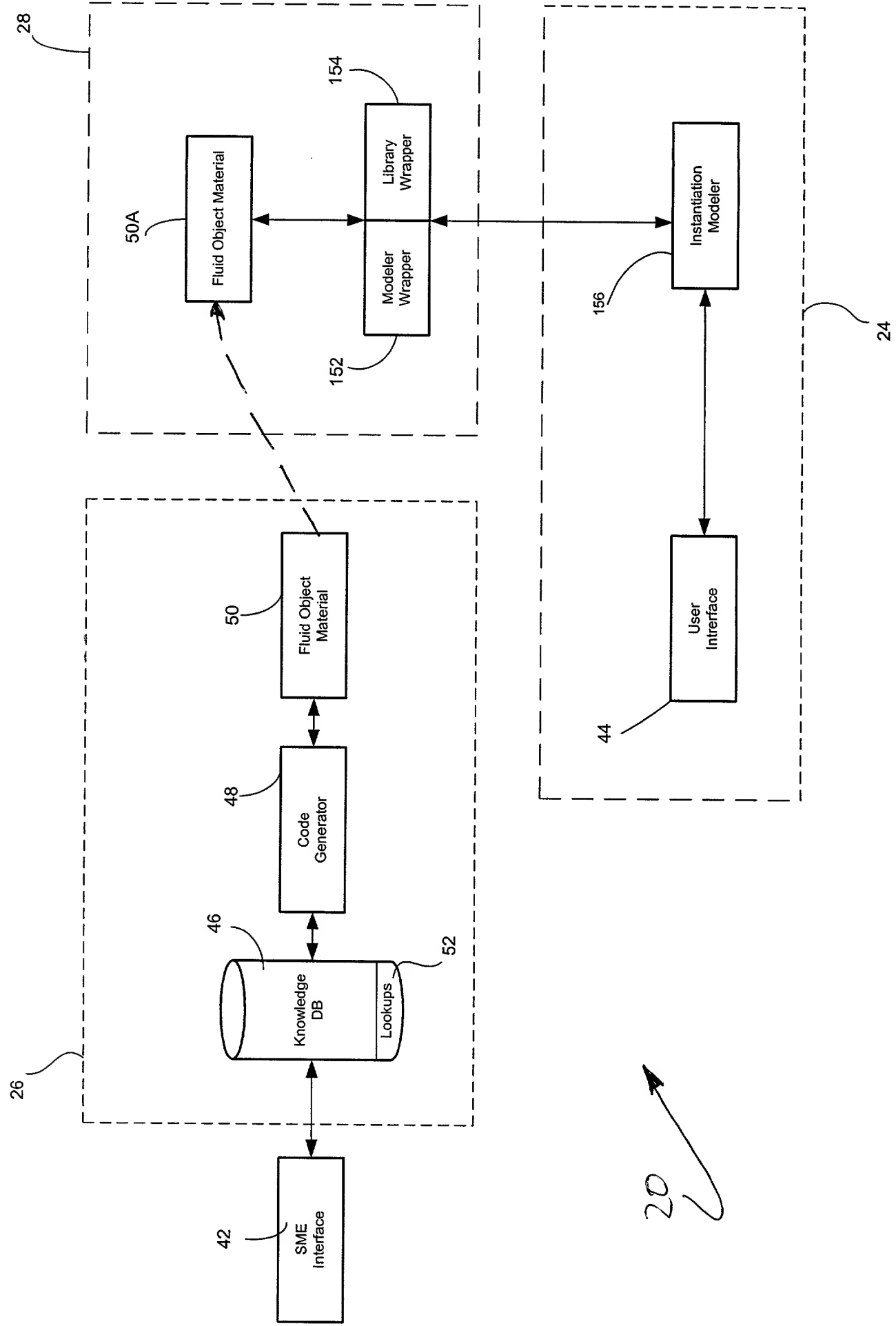


Fig. 1



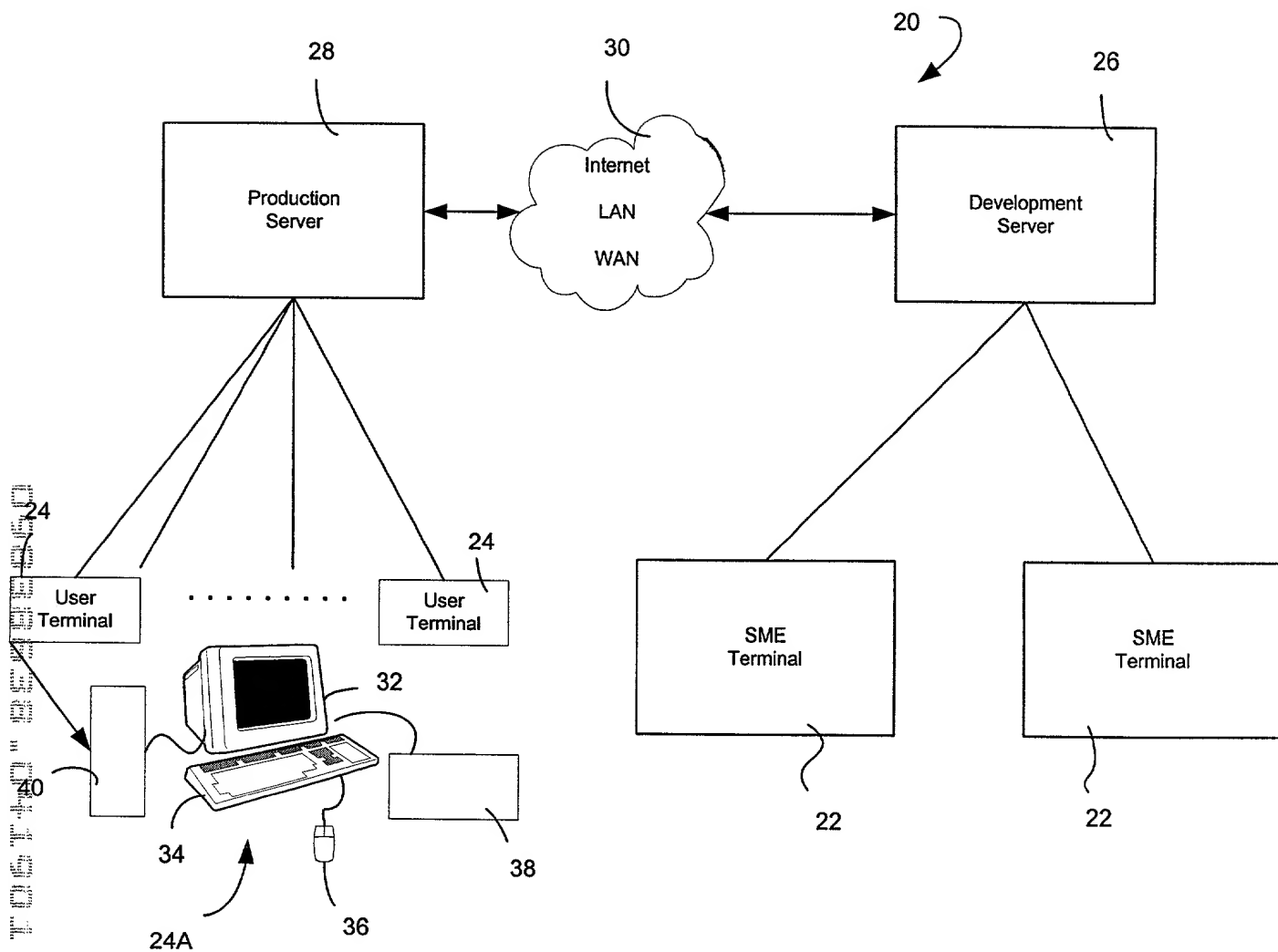
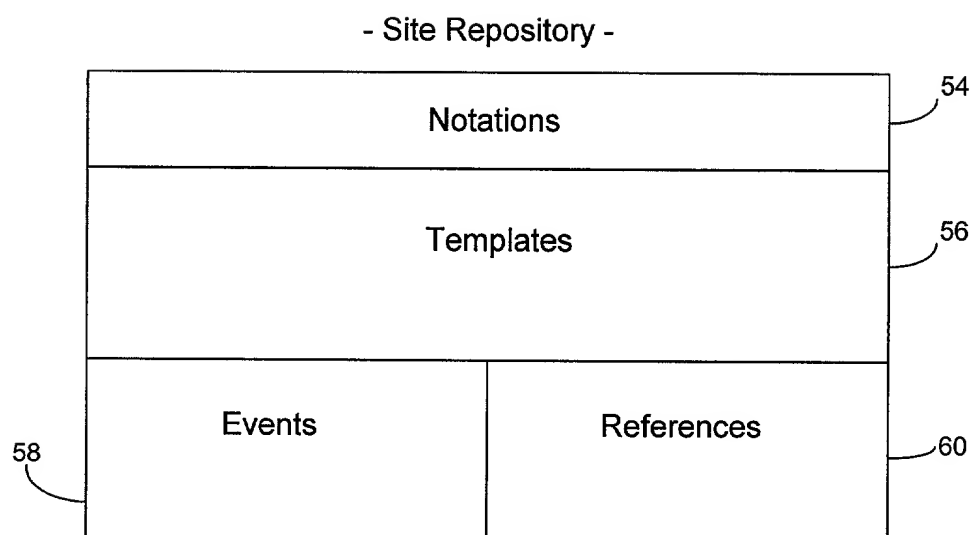


Fig. 2

Fig. 3



Database Model

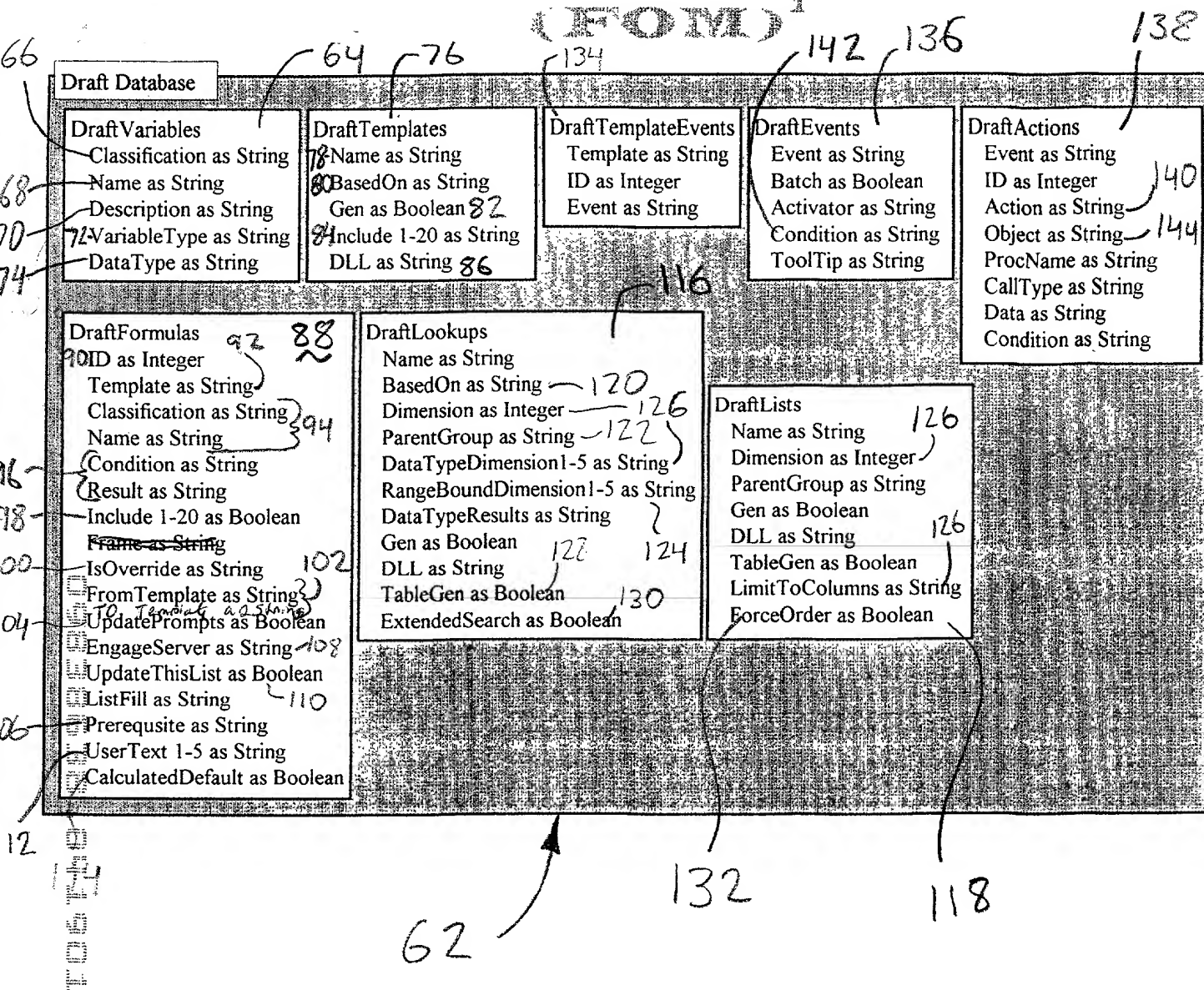
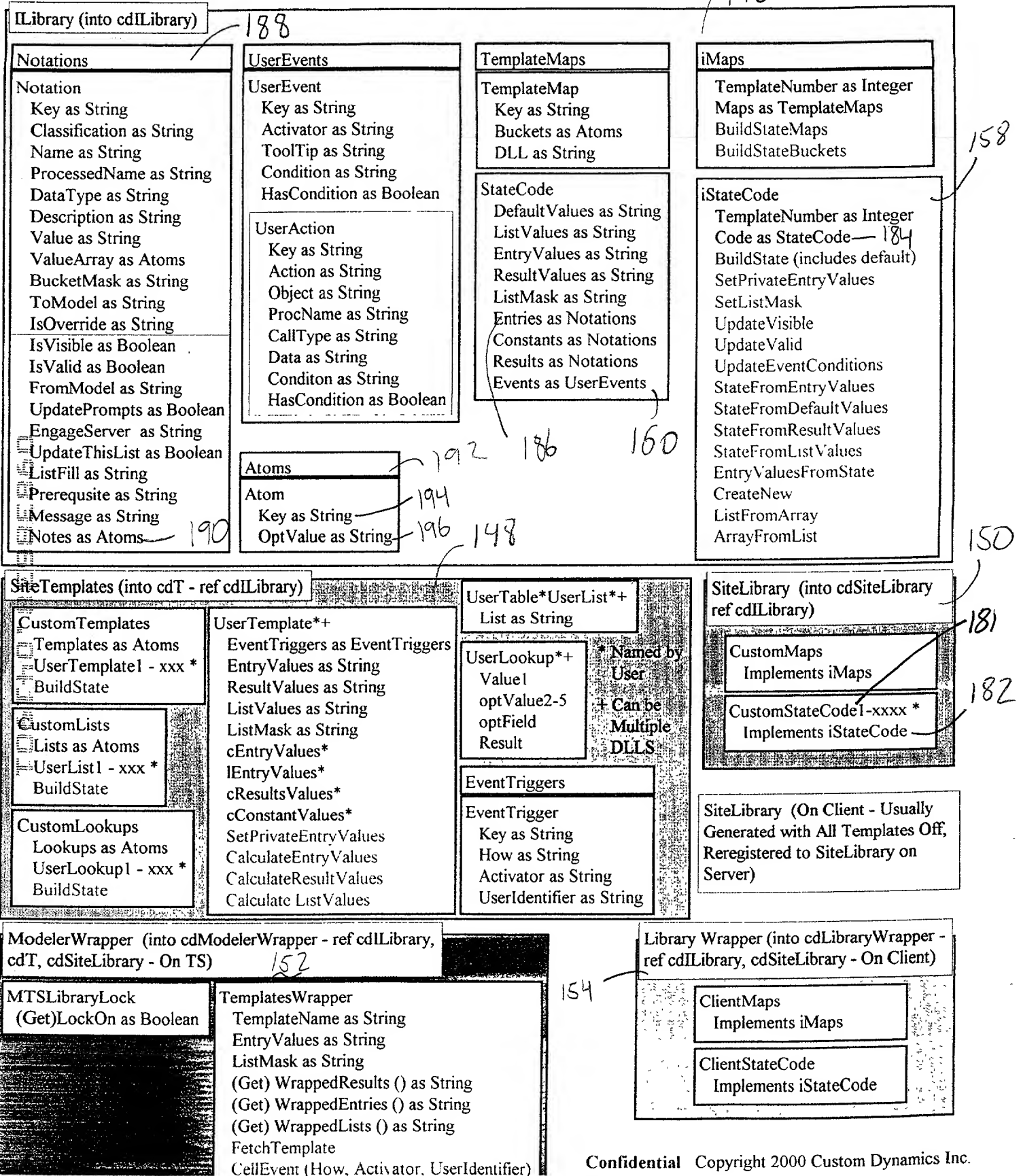
(FOM)¹

Fig. 5

Object Model - Fluid Object Modeler (FOM)²

50



Object Model - Fluid Object Material (FOM)³

156

Modeler (into cdModeler ref cdLibrary, cdModelerWrapper, cdLibraryWrapper - On Client)

WorkingModels

Key as Long
Notes as Atoms
GetMaps
GetBuckets(TemplateNumber as Integer)
CreateModel(Template as String, OptQuantity as Integer)
RemoveModel(Number as Long, OptToEnd as Boolean)
Reconcile(Number as Long, FromTemplate as String)

Model

Key as Long
Name as String
TemplateNumber as Integer
Entries as Notations
Results as Notations
Events as UserEvents
Notes as Atoms
InitializeModel
RefreshPrompts (OptCurrentEntry as Integer)
RefreshResults
PerformOverrides
RestoreDefaultValues
ListFromArray
ArrayFrom List
ProcessEvents(How As String, Activator As String, UserIdentifier As String)
ModelerAction(UserIdentifier As String, UserEvent As String, Action As String, ModelNumber As Long, Object As String, ProcName As String, CallType As String, Data As String)
ActionComplete(UserIdentifier As String, UserEvent As String, Action As String, ModelNumber As Long, StatusCode As Long, StatusMessage As String)

TemplateMaps

TemplateMap
Key as String
Buckets as Atoms
DLL as String

Atoms

Atom
Key as String
OptValue as String

Notations

Notation

Key as String
Classification as String
Name as String
ProcessedName as String
DataType as String
Description as String
Value as String
ValueArray as Atoms
BucketMask as String
Frame as String
IsOverride as String
IsVisible as Boolean
IsValid as Boolean
FromTemplate as String
UpdatePrompts as Boolean
EngageServer as String
UpdateThisList as Boolean
ListFill as String
Prerequisite as String
Message as String
Notes as Atoms

UserEvents

UserEvent

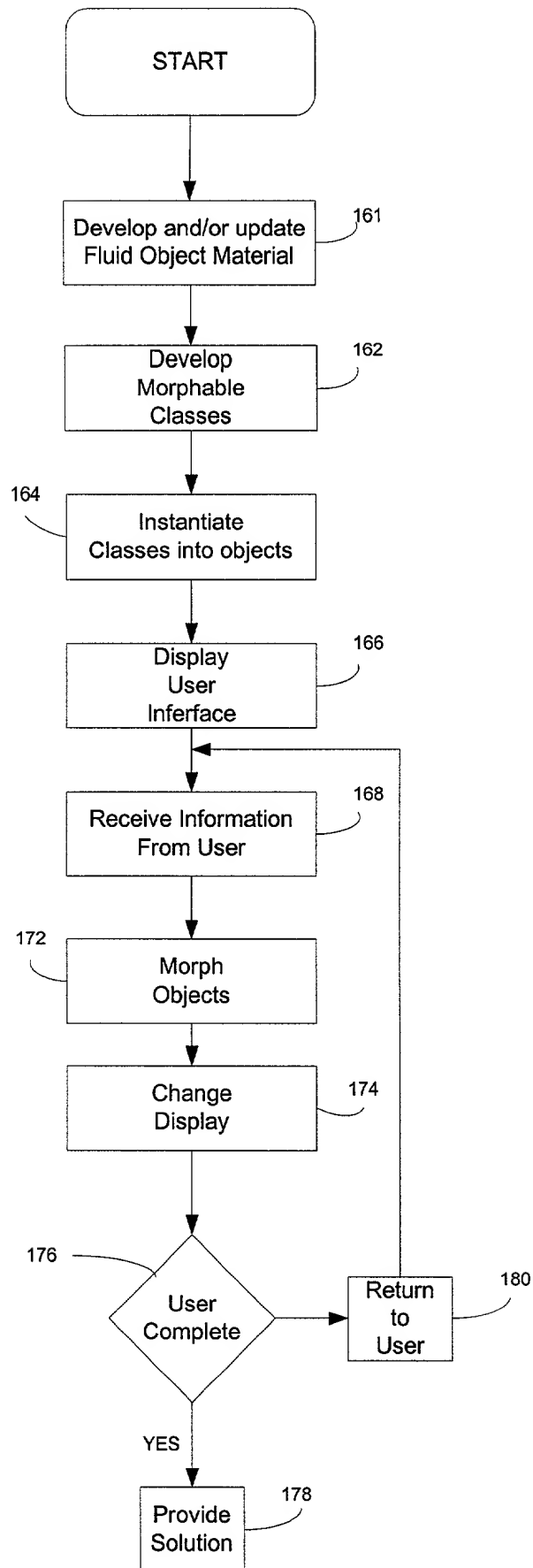
Key as String
Activator as String
ToolTip as String
Condition as String
HasCondition as Boolean

UserAction

Key as String
Action as String
Object as String
ProcName as String
CallType as String
Data as String
Condition as String
HasCondition as Boolean

EntryObjects (ref ADO, InventoryObjects, CustomerObjects, EntryServer, cdLibrary, cdModeler)

Fig. 7



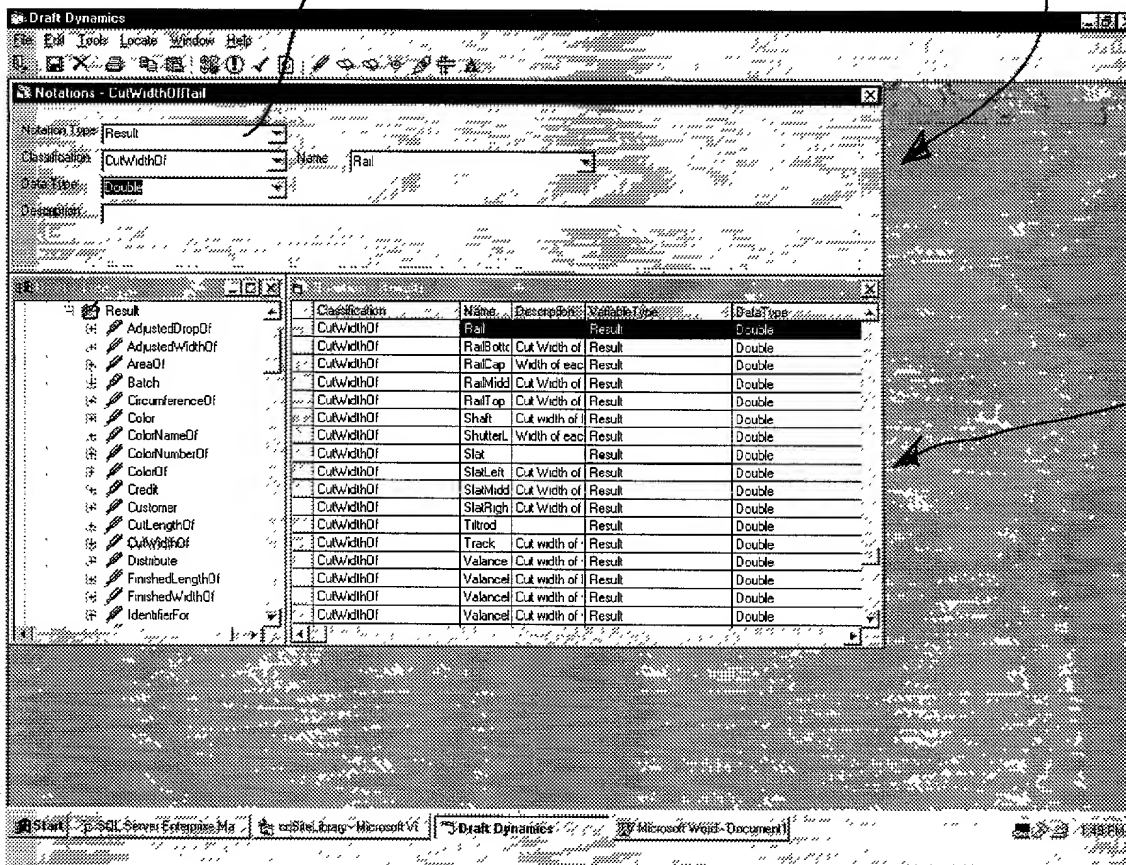


Fig. 8

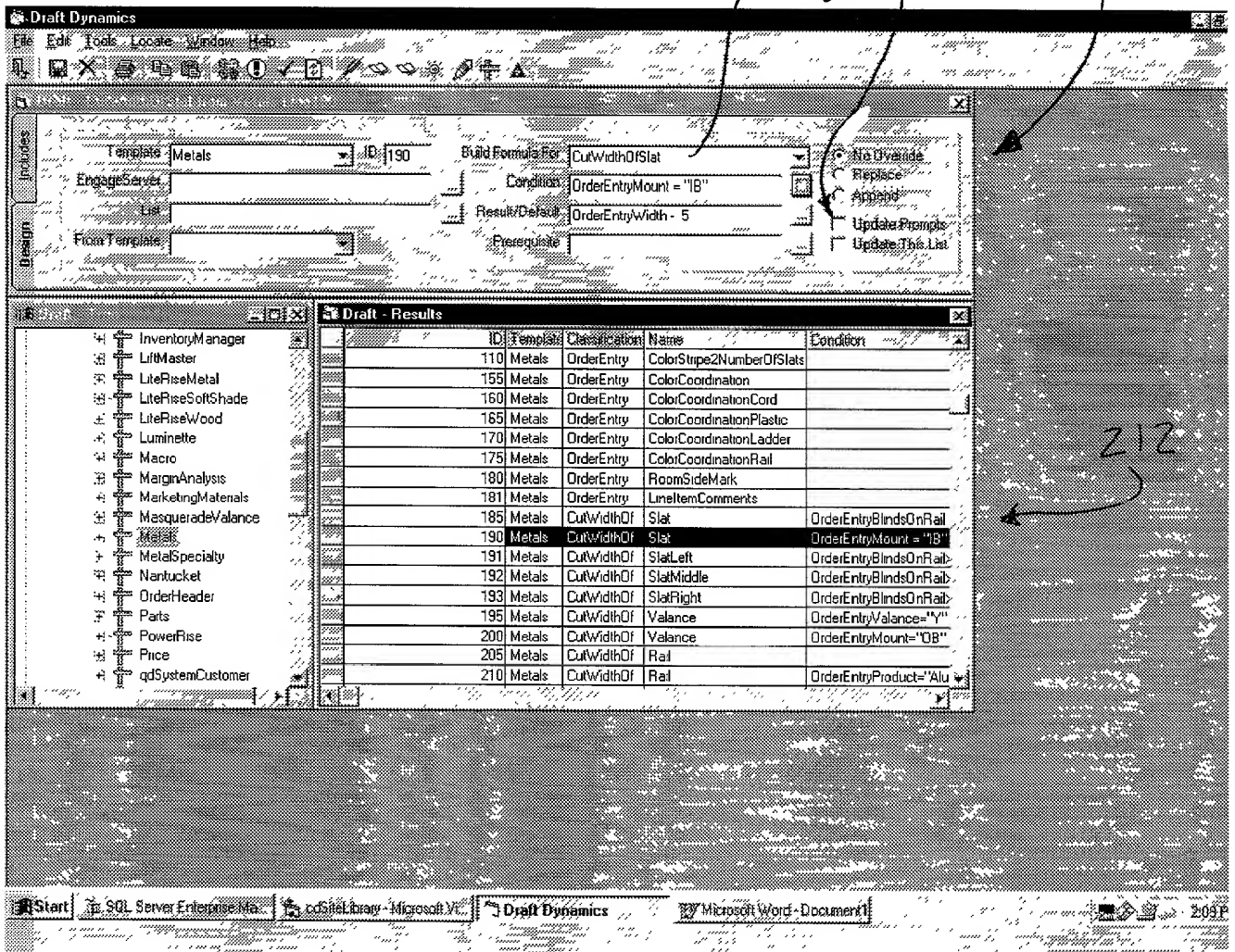


Fig. 9

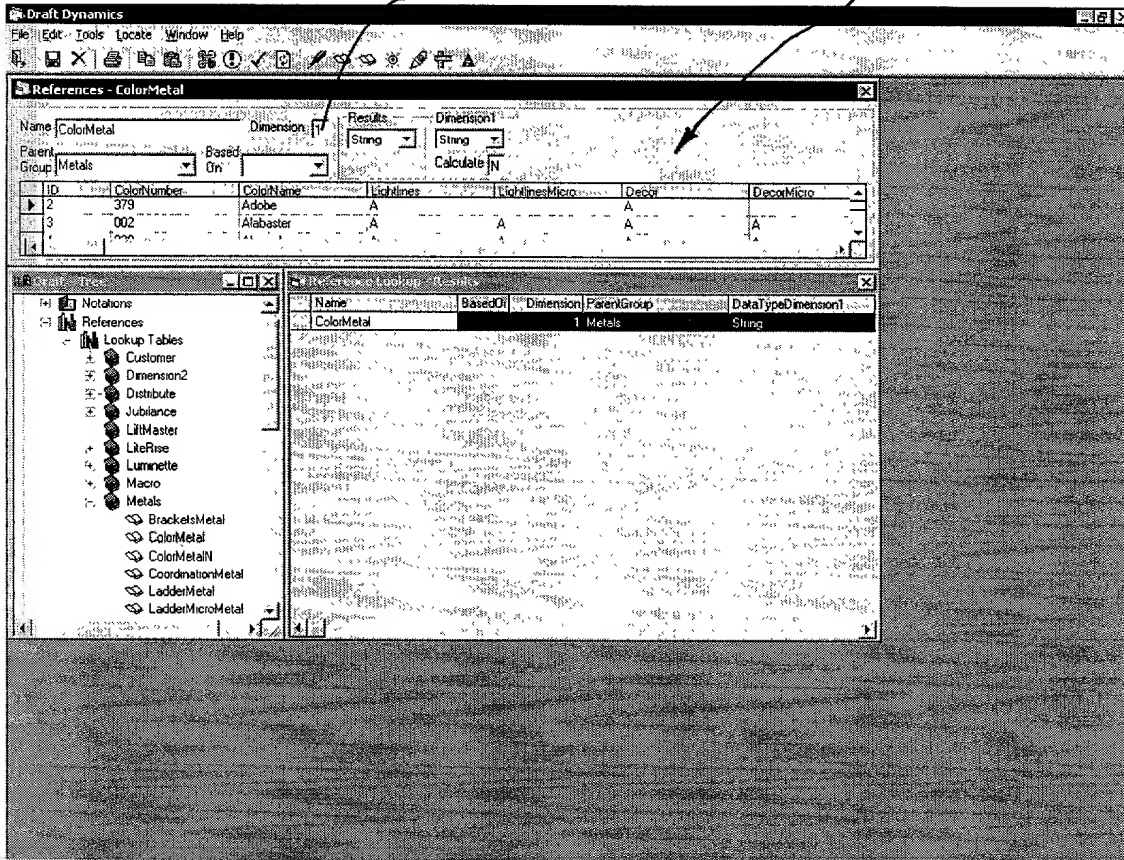


Fig. 12

Customer Service

File Edit Navigate Actions Window Help

4/10/2001

WorkOrders From 2/9/2001 To 4/10/2001

Order 0

Customer: 1108 Add A Shade Ordered By: Fax:

Customer PO: Order Sidemark: Phone #: (402) 581 1817 Fax #:

Line Item:

| W/O | Quantity | Product | Width | Drop | Mount | Color | Color Name | Side Mark |
|-----|----------|-----------|----------|------|-------|-------|------------|-----------|
| 1 | 1 | Celebrity | Standard | | | | | |

Item 1

Metals

Quantity: 1

Product: Celebrity

Product Model: Standard

Color: 1

Color Name: 7

Drop: 6

Mount: B

Side Mark: R

Special Mount: 0

Special Wand Control: N

Room Sidemark: Up Arrow Comments

Hold Downs: N

Special Blocks: 0

Box Bracket: N

Extension Bracket: N

Slips: N

Override Pricing: No

Color Coordination: Standard

Item Entry Values:

Fig 13A

Customer Service

File Edit Navigate Actions Windows Help

Date: 4/10/2001

Control Panel

WorkOrders From 2/9/2001 To 4/10/2001

Order 0

Customer: 1109 Add A Shade

Customer PO: Order Sidemark: Phone #: (402) 681-1817 Fax #:

Line Items

| W/O | Quantity | Product | Width | Drop | Mount | Color | Color Name | Sidemark |
|-----|----------|---------|-------|------|-------|-------|------------|----------|
| | | | | | | | | |

Item 1

Metals: Quantity: Drop: 6

Product: Celebrity Mount: B

Product Model: Standard

Blinds On Rail: Color: Special Control: 0

Color Name: Special Wand Control: N Room Side Mark: List Item Comments:

Width: 7 Hold Downs: N

Width Left: 7 Spaced Brackets: 0

Top Left: L Box Bracket: Extension Brackets: N

Link Left: R Stripes: N

Width Middle: 7

Top Middle: L

Link Middle: R

Width Right: 7

Top Right: L

Link Right: R

Gap Size: 5

Color Coordination: Standard

Item Entry Values:

234

236

240

242

238

246

Fig. 13B

Customer Service

File Edit Navigate Actions Window Help

Date 4/10/2001

WorkOrders From 2/9/2001 To 4/10/2001

Order 0

Customer 1108 Add A Shade Ordered By

Customer PO Order Sidemark Phone # (402) 581 1817 Fax #

Line Items

| W/O | Qty | Product | Width | Drop | Mount | Color | ColorName | Sidemark |
|---------------|-----|---------|-------|------|-------|-------|-----------|----------|
| [Empty Table] | | | | | | | | |

Item 1

Metals

Product Celebrity

Product Model Standard

Blinds Option 1

Color

Color Name

Width 002

Drop 6

Mount 18

Color 18

Color Name 18

Special Lin Control 0

Special Wand Control N

Room Side Mark

Line Item Comments

Hold Downs N

Space Block 0

Face Brackets N

Extension Brackets N

Stripes N

Overlaping No

Color Coordination Standard

Item Entry Values

236

248

Fig. 14A

Customer Service

File Edit Navigate Actions Window Help

Date: 4/10/2001

Control Panel

WorkOrders From 2/9/2001 To 4/10/2001

- 1002
- 1003
- 1004
- 1005
- 1006
- 1007
- 1009
- 1011
- 1012
- 1015
- 1018
- 1019
- 1020
- 1021
- 1023
- 1029
- 1031
- 1032
- 1033
- 1034
- 1036
- 1037
- 1038
- 1040
- 1041
- 1042
- 1043
- 1044
- 1045
- 1046
- 1047
- 1048
- 1049
- 1050
- 1051
- 1052
- 1053
- 1055
- 1056

Order 0

Customer: 1108 Add A Shade

Customer PO: Order SideMark Phone #: (402) 681 1817 Fax #:

Line Items

| WO | Q | Quantity | Product | Width | Drop | Mount | Color | Color Name | SideMark |
|----|---|----------|---------|-------|------|-------|-------|------------|----------|
| | | | | | | | | | |

Item 1

Metals: Product Metal Plan

Blinds On Rail: 1

Color: H711

Color Name: H388

Width: H728

Drop: 6

Mount: 18

Color: 18

Color Name: 18

Special Lift Control: 0

Special Wand Control: N

Room SideMark: 0

Special Wand Control: N

Line Item Comments: 0

Hold Downs: N

SpaceBlock: 0

Extension Brackets: N

Stipes: N

Overriding: No

Color Coordination: Standard

Item Entry Values

236

250

Fig. 14B